



CUSTOMER INFORMATION
<b>Iowa State University</b> 2502 Airport Dr. Ames, IA 50010 515-231-2555 dhurst@iastate.edu Reg. No: N176CF 2010 Cirrus Design Corp Sr22 Current A/C TT: 365.2, Tach: 365.2 A/C Serial: 3757

**Classic Aviation, Inc.**

Repair Station No. Z5VR153B  
 501 W 15th St  
 Pella, IA 50219  
 Phone: 641-628-9393  
 Fax: 641-621-9515  
 Email: haven@flyclassicaviation.com  
 Date: 7/24/2015, 2:37 PM

**Customer Estimate**  
**Work Order Quote: Q0190-07-2015**

AUTHORIZE  
 Yes  No

**Item: 1 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Aircraft has damage from landing. Left flap and right wing tip need to be replaced. Pitot tube and attachment bracket need to be replaced.	6.00	420.00

Notes:  
 Prices shown do not include shipping.

Qty	Unit	Part Number	Description	Unit Price	Subtotal
1	EA	12343-XXX-WTRH	Stripe, Wing Tip, Right	220.00	220.00
1	EA	18148-001	Extension Tube, Pitot Tube	51.07	51.07
1	EA	18317-002-01	Assy, Wing Tip, Right, G3 W/Recog & Strobe, Painted White	2,867.31	2,867.31
1	EA	18470-001	Bracket, Pitot Tube	311.44	311.44
1	EA	20919-001	Pitot Tube, L-Shaped	1,751.00	1,751.00
1	EA	28946-001-01	Flap Assembly, Left, Painted White	2,764.17	2,764.17

<b>Labor: \$420.00</b>	<b>Parts: \$7,964.99</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$8,384.99</b>
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AUTHORIZE  
 Yes  No

**Item: 2 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Inspect wing attach area and spar carry through areas for damage from wings impacting the ground during landing. No damage found. Evaluate damage to create estimate and plan for returning aircraft to service	4.00	280.00

<b>Labor: \$280.00</b>	<b>Parts: \$0.00</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$280.00</b>
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AUTHORIZE  
 Yes  No

**Item: 3 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Perform the following fiberglass repairs: Left wing outboard trailing edge inboard of wing tip. Right wing outboard end at wing tip attachment area. Left wing tip trailing edge.	30.00	2,100.00

Qty	Unit	Part Number	Description	Unit Price	Subtotal
1	EA	Misc shop	fiberglass repairs	100.00	100.00
1	EA	Paint supplies	Paint Supplies	150.00	150.00

<b>Labor: \$2,100.00</b>	<b>Parts: \$250.00</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$2,350.00</b>
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AUTHORIZE  
 Yes  No

**Item: 4 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Replace tail tie-down bumper and repair rudder bottom cap.	2.00	140.00

Qty	Unit	Part Number	Description	Unit Price	Subtotal
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1 EA	16678-001	AFT TIE DOWN BUMPER	57.80	57.80
1 EA	CS3204B1-2-6oz	Sealant	22.93	22.93

<b>Labor:</b> \$140.00	<b>Parts:</b> \$80.73	<b>Shipping:</b> \$0.00	<b>Item Subtotal:</b> \$220.73
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AUTHORIZE  
 Yes  No

**Item: 5 - Airworthy Airframe**

Discrepancy		Hours	Subtotal
Travel to Bloomington, IL to inspect damage.		3.00	210.00
Travel to Bloomington, IL to repair and bring back aircraft for fiberglass repairs.			

Qty	Unit	Part Number	Description	Unit Price	Subtotal
382	EA	Travel Rate, Classic Aviation Aircraft	Travel Rate, \$1.50 per mile	1.50	573.00
382	EA	Travel Rate, Classic Aviation Aircraft	Travel Rate, \$1.50 per mile	1.50	573.00

<b>Labor:</b> \$210.00	<b>Parts:</b> \$1,146.00	<b>Shipping:</b> \$0.00	<b>Item Subtotal:</b> \$1,356.00
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Additional Charges							Subtotal
Pilot Services	Tire Disposal	EPA Charge	Oil Analysis	Shop Supplies	Fuel	Misc.	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00

It will take an estimated 45.00 hours to complete the necessary work.

<b>Total Labor:</b>	\$3,150.00
<b>Total Parts:</b>	\$9,441.72
<b>Total Shipping:</b>	\$0.00
<b>Additional Charges:</b>	\$0.00
<b>Tax:</b>	\$0.00
<b>Total Estimate Before Deposit:</b>	\$12,591.72
<b>Deposit:</b>	\$0.00
<b>Total Estimate:</b>	\$12,591.72

**Important Information**

*David Hurst*

*7/24/15*

Iowa State University or Authorized Representative **MANAGER, FLIGHT SERVICE** Date

**CREDIT CARD INFORMATION:**

American Express  Discover  MasterCard  Visa

AMOUNT AUTHORIZED

CARD # SECURITY CODE EXPIRATION

NAME ON CARD (HAND WRITTEN) SIGNATURE

IG-15600-00

Please Expedite Payment

X08863



**Classic Aviation, Inc.**

Repair Station No. Z5VR153B  
501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393  
Fax: 641-621-9515  
Email: haven@flyclassicaviation.com  
Date: 9/23/2015

**CUSTOMER INFORMATION**

Iowa State University  
2502 Airport Dr.  
Ames, IA 50010  
515-231-2555  
dhurst@iastate.edu  
Reg. No: N176CF  
2011 Cirrus Design Corp Sr22  
Current A/C TT: 377.5, Tach: 377.5  
A/C Serial: 3757

**Customer Invoice**

**Work Order: 2681-07-2015**

**Item: 1 - Airworthy Airframe**

**Discrepancy** Hours Subtotal  
Aircraft has damage from landing. Left flap and right wing tip need to be replaced. Pitot tube and attachment bracket need to be replaced. 6.00 420.00

**Corrective Action**

Installed new Pitot tube bracket P/N 18470-001, installed new Pitot tube P/N 20919-001, and new pitot tube extension tube P/N 18148-001. Installed new left flap P/N 28946-001-01 S/N 1320, and check rigging as required. Fitting and installed new right wing tip assy. P/N 18317-002-01. Installed nut plates onto right wing tip

**Inspection Information:**

Final Inspection: TREVOR NIKKEL on 09/23/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1	EA	12343-XXX-WTRH	Stripe, Wing Tip, Right (P/O: 2021)		220.00	220.00
1	EA	18148-001	Extension Tube, Pitot Tube (P/O: 2021)		51.07	51.07
1	EA	18317-002-01	Assy, Wing Tip, Right, G3 W/Recog & Strobe, Painted White (P/O: 2021)		2,867.31	2,867.31
1	EA	18470-001	Bracket, Pitot Tube (P/O: 2021)		311.44	311.44
1	EA	20919-001	Pitot Tube, L-Shaped (P/O: 2021)		1,751.00	1,751.00
1	EA	28946-001-01	Flap Assembly, Left, Painted White (P/O: 2021)		2,764.17	2,764.17
24	EA	CCR264SS3-03	Rivet Flush, Blind Cherry (P/O: 1711)		0.16	3.84
5	EA	MS21059L3	Nut Plate		1.60	8.00
7	EA	MS21059L3	Nut Plate (P/O: 0518)		1.60	11.20

Labor: \$420.00	Parts: \$7,988.03	Shipping: \$74.60	Item Subtotal:	\$8,482.63
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**Item: 2 - Airworthy Airframe**

**Discrepancy** Hours Subtotal  
Inspect wing attach area and spar carry through areas for damage from wings impacting the ground during landing. No damage found. Evaluate damage to create estimate and plan for returning aircraft to service 4.00 280.00

**Corrective Action**

Inspected wing attach area and spar carry through areas for damage from wing tips impacting the ground during landing. No damage found.

**Inspection Information:**

Final Inspection: TREVOR NIKKEL on 09/23/15

Labor: \$280.00	Parts: \$0.00	Shipping: \$0.00	Item Subtotal:	\$280.00
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10,118.63+  
3,931.63+  
14,050.26\*

**Item: 3 - Airworthy Airframe**

**Discrepancy**  
 Perform the following fiberglass repairs:  
 Left wing outboard trailing edge inboard of wing tip.  
 Right wing outboard end at wing tip attachment area.  
 Left wing tip trailing edge.

<b>Hours</b>	<b>Subtotal</b>
0.00	0.00

**Corrective Action**  
 Continued....

**Inspection Information:**  
 Final Inspection: TREVOR NIKKEL on 09/23/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
0	EA	Misc shop	fiberglass repairs		100.00	0.00
0	EA	Paint supplies	Paint Supplies		150.00	0.00

<b>Labor: \$0.00</b>	<b>Parts: \$0.00</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$0.00</b>
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**Item: 4 - Airworthy Airframe**

**Discrepancy**  
 Replace tail tie-down bumper and repair rudder bottom cap.

<b>Hours</b>	<b>Subtotal</b>
0.00	0.00

**Corrective Action**  
 Continued...

**Inspection Information:**  
 Final Inspection: TREVOR NIKKEL on 09/23/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
0	EA	CS3204B1-2-6oz	Sealant		22.93	0.00

<b>Labor: \$0.00</b>	<b>Parts: \$0.00</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$0.00</b>
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**Item: 5 - Airworthy Airframe**

**Discrepancy**  
 Travel to Bloomington, IL to inspect damage.  
 Travel to Bloomington, IL to repair and bring back aircraft for fiberglass repairs.

<b>Hours</b>	<b>Subtotal</b>
3.00	210.00

**Corrective Action**  
 Travel Charge to Bloomington, IL.

**Inspection Information:**  
 Final Inspection: TREVOR NIKKEL on 09/23/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
382	EA	Travel Rate, Classic Aviation Aircraft	Travel Rate, \$1.50 per mile		1.50	573.00
382	EA	Travel Rate, Classic Aviation Aircraft	Travel Rate, \$1.50 per mile		1.50	573.00

<b>Labor: \$210.00</b>	<b>Parts: \$1,146.00</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$1,356.00</b>
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**Item: 6 - Airworthy Airframe**

**Discrepancy**  
 Ferry aircraft to Pella, IA.

<b>Hours</b>	<b>Subtotal</b>
0.00	0.00

**Corrective Action**  
 This aircraft has been inspected and has been found safe for the intended flight from KBMI to KPEA in accordance with Special Flight Permit dated September 22, 2015.

**Inspection Information:**  
 Final Inspection: TREVOR NIKKEL on 09/23/15

<b>Labor: \$0.00</b>	<b>Parts: \$0.00</b>	<b>Shipping: \$0.00</b>	<b>Item Subtotal: \$0.00</b>
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Please see the next page for the totals for this invoice

Additional Charges							Subtotal
Pilot Services	Tire Disposal	EPA Charge	Oil Analysis	Shop Supplies	Fuel	Misc.	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00

Labor Summary	
Shop Labor: \$910.00	Outside Repair: \$0.00

Total Labor:	\$910.00
Total Parts:	\$9,134.03
Total Shipping:	\$74.60
Additional Charges:	\$0.00
Tax:	\$0.00
Amount Due:	\$10,118.63
Deposit:	\$0.00
<b>Balance Due:</b>	<b>\$10,118.63</b>

**Important Information**

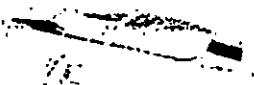
Final payment due upon delivery of aircraft.

Iowa State University or Authorized Representative

Date

IG-15600-00

Please Expedite Payment



**Classic Aviation, Inc.**

Repair Station No. Z5VR153B  
501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393  
Fax: 641-621-9515  
Email: haven@flyclassicaviation.com  
Date: 10/9/2015

CUSTOMER INFORMATION
Iowa State University 2502 Airport Dr. Ames, IA 50010 515-231-2555 dhurst@iastate.edu Reg. No: N176CF 2011 Cirrus Design Corp Sr22 Current A/C TT: 378.7, Tach: 378.7 A/C Serial: 3757

<b>Customer Invoice</b> <b>Work Order: 2798-10-2015</b>
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**Item: 1 - Airworthy Airframe**

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
Repair damaged area on the bottom out board of LH wing.	40.00	2,800.00

**Corrective Action**

Performed a fiberglass repair per Cirrus 22 chapter 51 AMM to the bottom trailing edge on the LH wing at wing station 209. Added body filler, primed and painted repaired area with PPG Delfleet cirrus base white and clear coat.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1	EA	Misc shop	Fiberglass Supplies		125.00	125.00
1	EA	Paint supplies	Paint Supplies		175.00	175.00

<b>Labor:</b> \$2,800.00	<b>Parts:</b> \$300.00	<b>Shipping:</b> \$0.00	<b>Item Subtotal:</b>	<b>\$3,100.00</b>
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**Item: 2 - Airworthy Airframe**

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
Repair damaged area on the bottom out board of RH wing.	0.00	0.00

**Corrective Action**

Performed a fiberglass repair per Cirrus 22 chapter 51 AMM to the bottom trailing edge and aft outboard bottom edge on the RH wing at wing station 212. Added body filler, primed and painted repaired area with PPG Delfleet cirrus base white and clear coat.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

<b>Labor:</b> \$0.00	<b>Parts:</b> \$0.00	<b>Shipping:</b> \$0.00	<b>Item Subtotal:</b>	<b>\$0.00</b>
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**Item: 3 - Airworthy Airframe**

<b>Discrepancy</b>	<b>Hours</b>	<b>Subtotal</b>
Repaired damaged area on LH wing tip	0.00	0.00

**Corrective Action**

Performed a fiberglass repair per Cirrus 22 chapter 51 AMM to the bottom trailing edge on the LH wing tip at wing station 219. Added body filler, primed and painted repaired area with PPG Delfleet cirrus base white and clear coat. Installed new wing tip stripe on both left and right wing tips.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1	EA	12343-XXX-WTLH	Stripe, SR22, Wing Tip, LH (P/O: 2093)		220.00	220.00

<b>Labor:</b> \$0.00	<b>Parts:</b> \$220.00	<b>Shipping:</b> \$0.00	<b>Item Subtotal:</b>	<b>\$220.00</b>
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**Item: 4 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Repaired damaged area on rudder bottom.	1.00	70.00

**Corrective Action**

Sanded, primed and painted rudder bottom with PPG Delfleet cirrus base white and clear coat.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

Labor: \$70.00	Parts: \$0.00	Shipping: \$0.00	Item Subtotal: \$70.00
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**Item: 5 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Replace tail tie down	1.00	70.00

**Corrective Action**

Installed new tail tie down bumper p/n 16678-001 with CS3204 B1/2.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1	EA	16678-001	AFT TIE DOWN BUMPER (P/O: 2021)		57.80	57.80
1	EA	CS3204B1-2-6oz	Sealant (P/O: 1924)		22.93	22.93

Labor: \$70.00	Parts: \$80.73	Shipping: \$0.00	Item Subtotal: \$150.73
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**Item: 6 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Install flap abrasion tape and no step sticker.	0.50	35.00

**Corrective Action**

Installed flap abrasion tape and a "NO STEP" sticker to LH wing flap.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1	EA	12433-001	PLACARD, NO STEP (P/O: 1512)		1.09	1.09
9	EA	51168-002	Erosion Tape		4.32	38.88

Labor: \$35.00	Parts: \$39.97	Shipping: \$0.00	Item Subtotal: \$74.97
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**Item: 7 - Airworthy Airframe**

Discrepancy	Hours	Subtotal
Replace MCU master contactor.	2.50	175.00

**Corrective Action**

Replaced the master contactor in the MCU with a new contactor p/n51129-003. Performed operational check and found to be operating properly.

**Inspection Information:**

Final Inspection: WM. HAVEN HICK on 10/09/15

Qty	Unit	Part Number	Description	Serial Number	Unit Price	Subtotal
1	EA	51129-003	CONTACTOR, 24V MCU SOLENOID (P/O: 1908)		140.93	140.93

Labor: \$175.00	Parts: \$140.93	Shipping: \$0.00	Item Subtotal: \$315.93
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Please see the next page for the totals for this invoice

Additional Charges							Subtotal
Pilot Services	Tire Disposal	EPA Charge	Oil Analysis	Shop Supplies	Fuel	Misc.	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00

Labor Summary	
Shop Labor: \$3,150.00	Outside Repair: \$0.00

Total Labor:	\$3,150.00
Total Parts:	\$781.63
Total Shipping:	\$0.00
Additional Charges:	\$0.00
Tax:	\$0.00
Amount Due:	\$3,931.63
Deposit:	\$0.00
<b>Balance Due:</b>	<b>\$3,931.63</b>

**Important Information**

Final payment due upon delivery of aircraft.

Iowa State University or Authorized Representative

Date